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🔍 Title: **WO0068692A1: A METHOD OF DETECTING AN ANALYTE USING SEMICONDUCTOR NANOCRYSTALS**[\[French\]](#)

🔍 Derwent Title: Detection of analytes using semi-conductor nanocrystals which are more robust than organic fluorescent dyes and which can be made to have characteristic spectral emissions [\[Derwent Record\]](#)

🔍 Country: **WO** World Intellectual Property Organization (WIPO)

🔍 Kind: **A1** Publ.of the Int.Appl. with Int.search report ⁱ

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🔍 ECLA Code: **G01N33/533**; **G01N33/543D**; **G01N33/58J**;

🔍 Priority Number: 1999-05-07 **US1999000133084P**

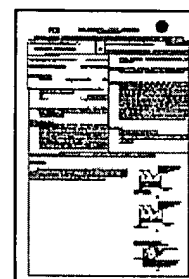
🔍 Abstract:

The use of semiconductor nanocrystals as detectable labels in various chemical and biological applications is disclosed. The methods find use for detecting a single analyte, as well as multiple analytes by using more than one semiconductor nanocrystal as a detectable label, each of which emits at a distinct wavelength.
[\[French\]](#)

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🔍 INPADOC Legal Status: [Show legal status actions](#)

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102 pages

🔍 Related Applications:

Applicati n Number	Filed	Patent	Pub. Date	Title
US1999000133084P	1999-05-07			

? Designated Country: AE AG AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW,
 Eur pean patent: AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE, OAPI pat nt: BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG, ARIPO patent: GH GM KE LS MW SD SL SZ TZ UG ZW, Eurasian patent: AM AZ BY KG KZ MD RU TJ TM

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+ A METHOD OF DETECTING AN ANALYTE USING SEMICONDUCTOR NANOCRYSTALS

+ FIELD OF THE INVENTION

+ BRIEF DESCRIPTION OF THE DRAWINGS

+ DETAILED DESCRIPTION OF THE INVENTION

? First Claim: [Show all claims](#)

1.A method of detecting one or more target analy-tes in a sample containing or suspected of containing the one or more analytes, comprising the steps of(a) providing the sample on a solid support; (b) combining said sample with a semiconductor nanocrystal conjugate, wherein said combining is performed under conditions that allow formation of a complex comprising said conjugate and said analyte, when present; (c) removing any unbound conjugate; (d) detecting the presence of the complex, if present, by monitoring a spectral emission mediated by the semiconductor nanocrystal in the complex, wherein the emission indicates the presence of one or more target analytes in the sample. †

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